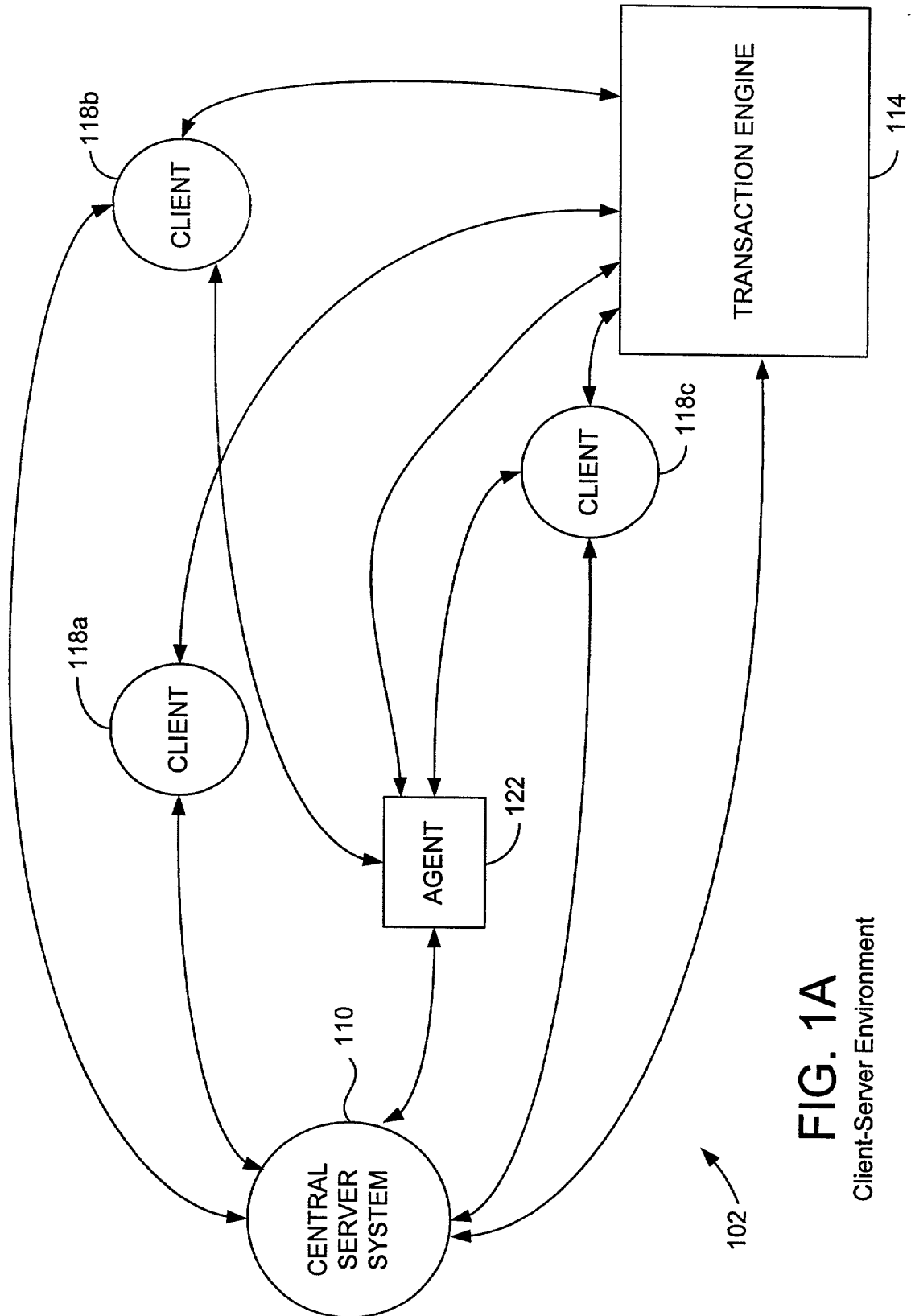


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**FIG. 1A**

Client-Server Environment

204	208	212	216
ACCOUNT NUMBER	MOST RECENT TRANSACTIONS	TIME OF MOST RECENT TRANSACTION	LAGS

FIG. 2

Transaction Profile

200

304	308	312	316	320	324
LOCATION COMPRESSION IDENTIFIER	E-MAIL ADDRESS	MERCHANT CATEGORY CODE	MERCHANT NAME	ZIP CODE	IP ADDRESS

FIG. 3

Location Compression Table Entry

300

404	408	412	416	420a	420b
TRANSACTION COMPRESSION IDENTIFIER	TRANSACTION TYPE	CVV INDEX	CARD TYPE

FIG. 4

Transaction Compression Table Entry

400

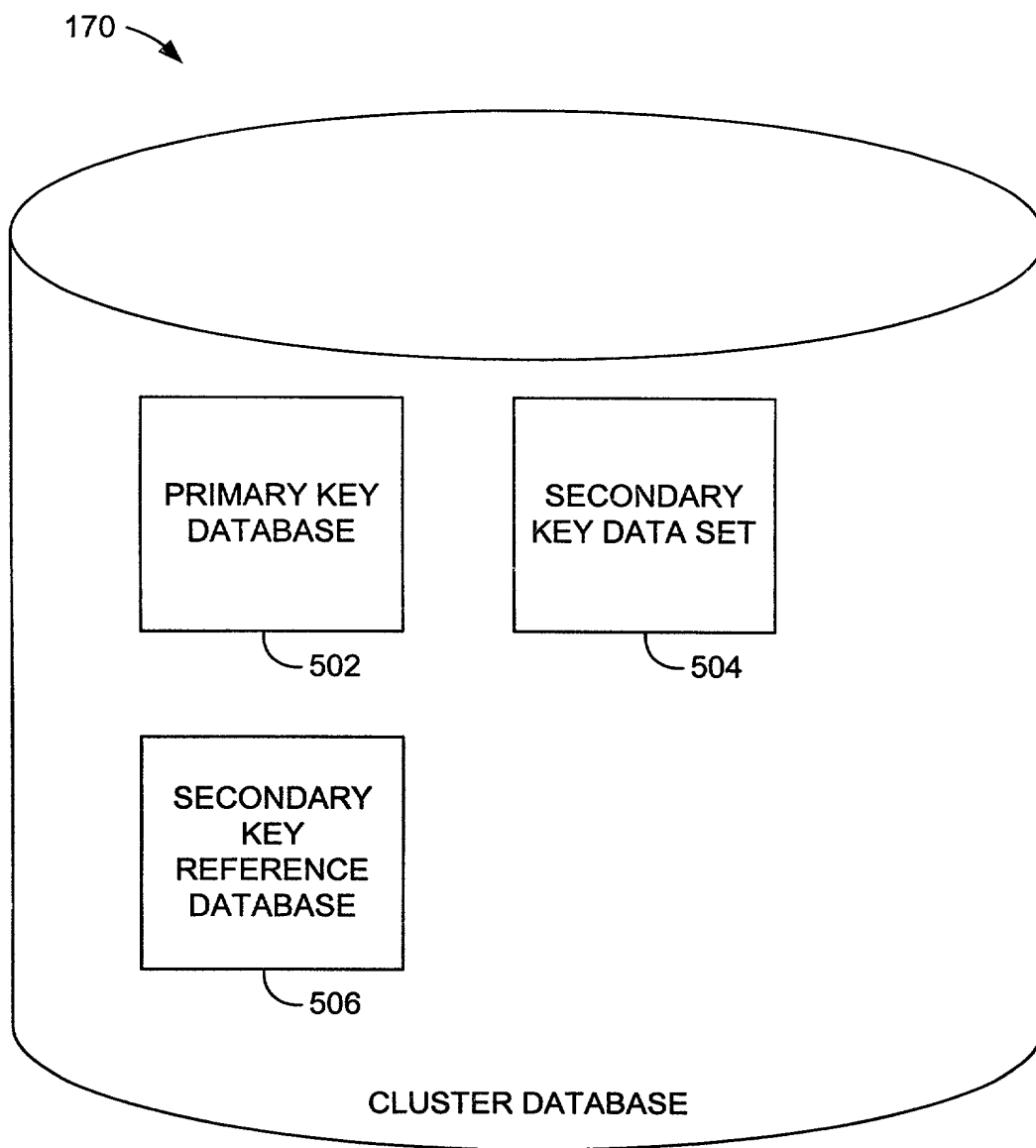


FIG. 5

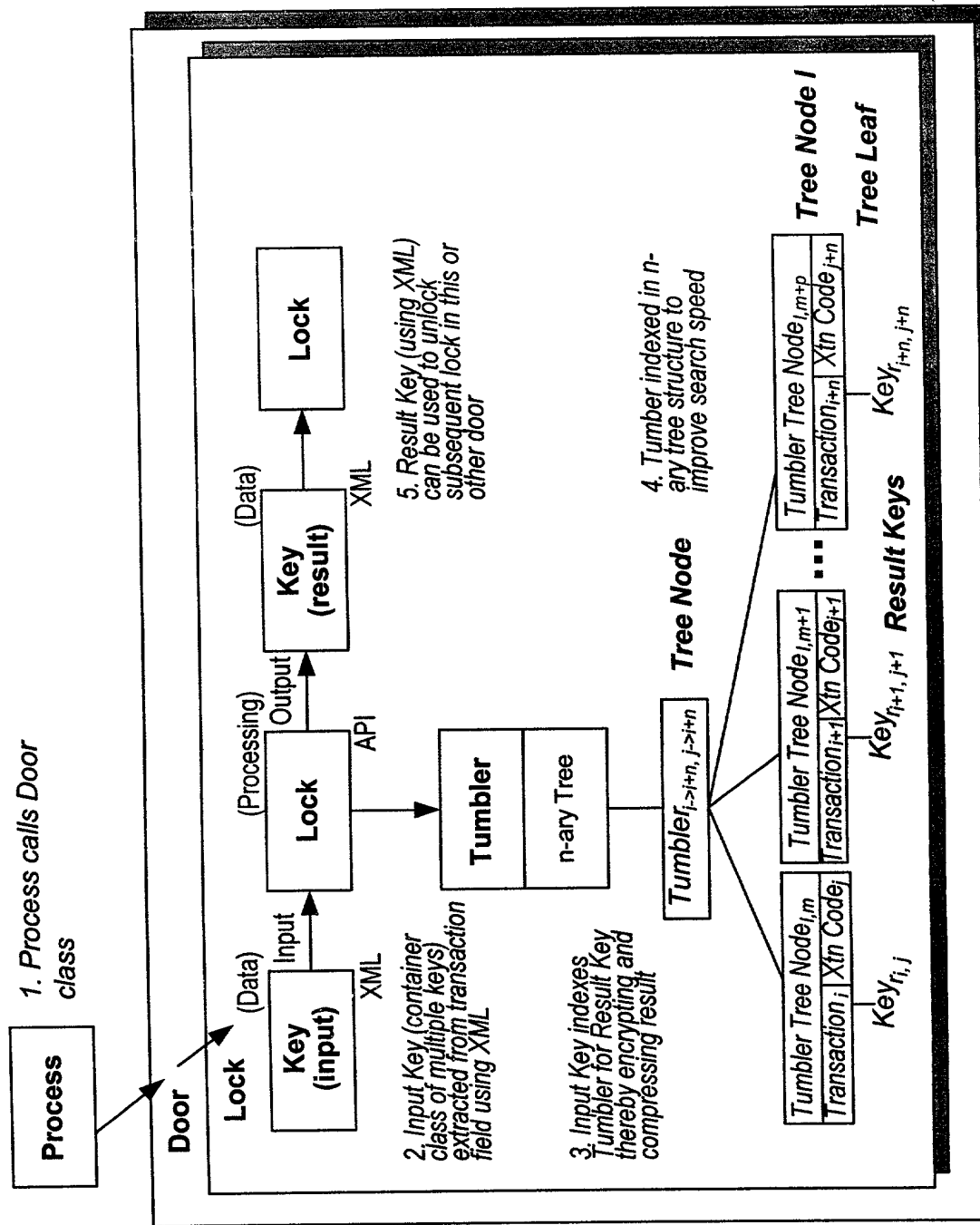
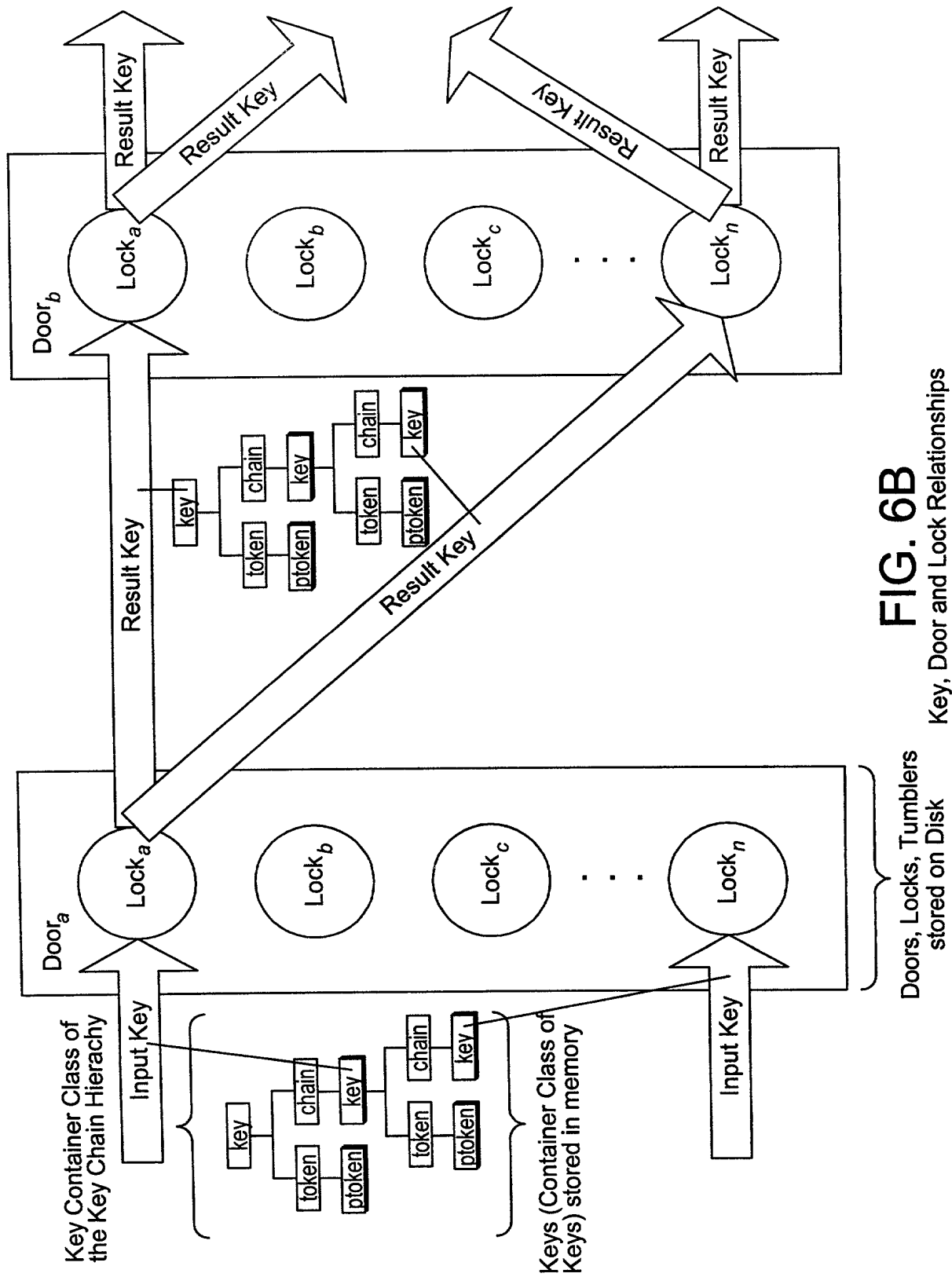


FIG. 6A

Cryptmatics Framework



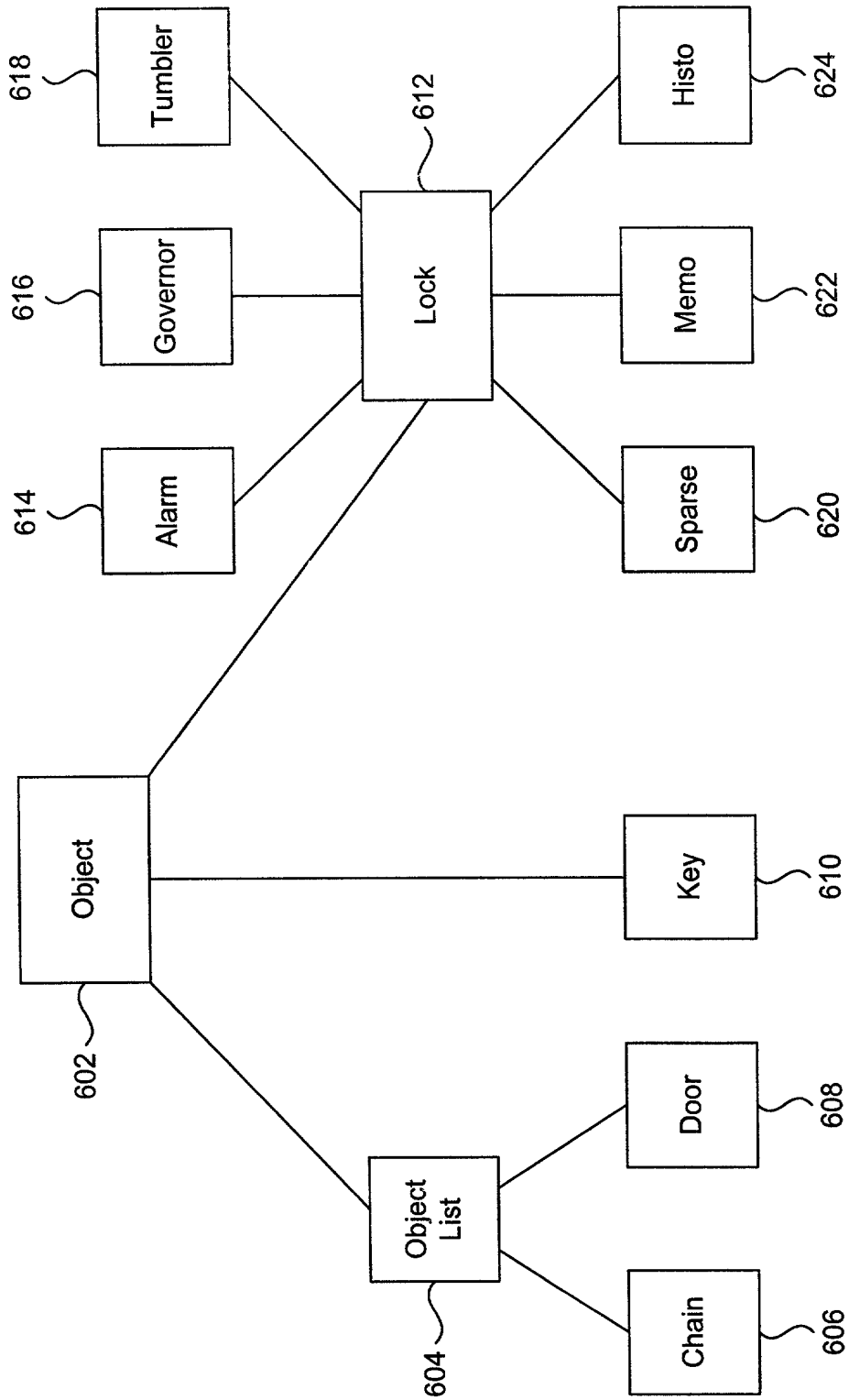


FIG. 6C

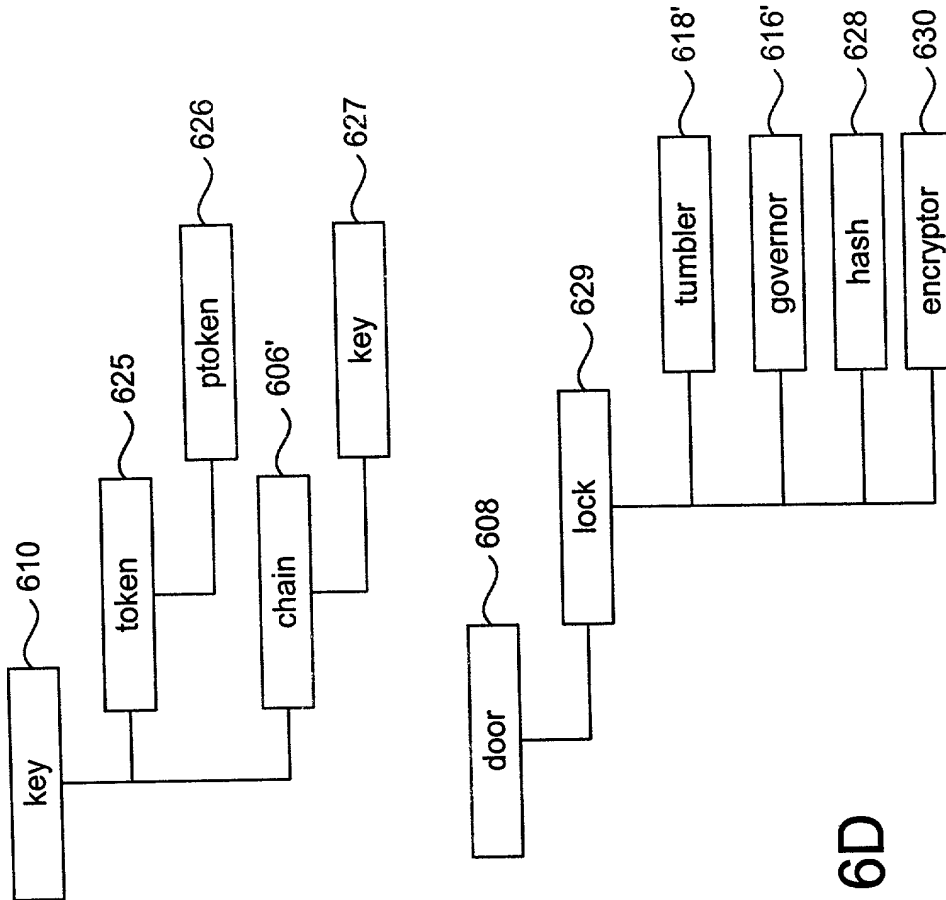


FIG. 6D

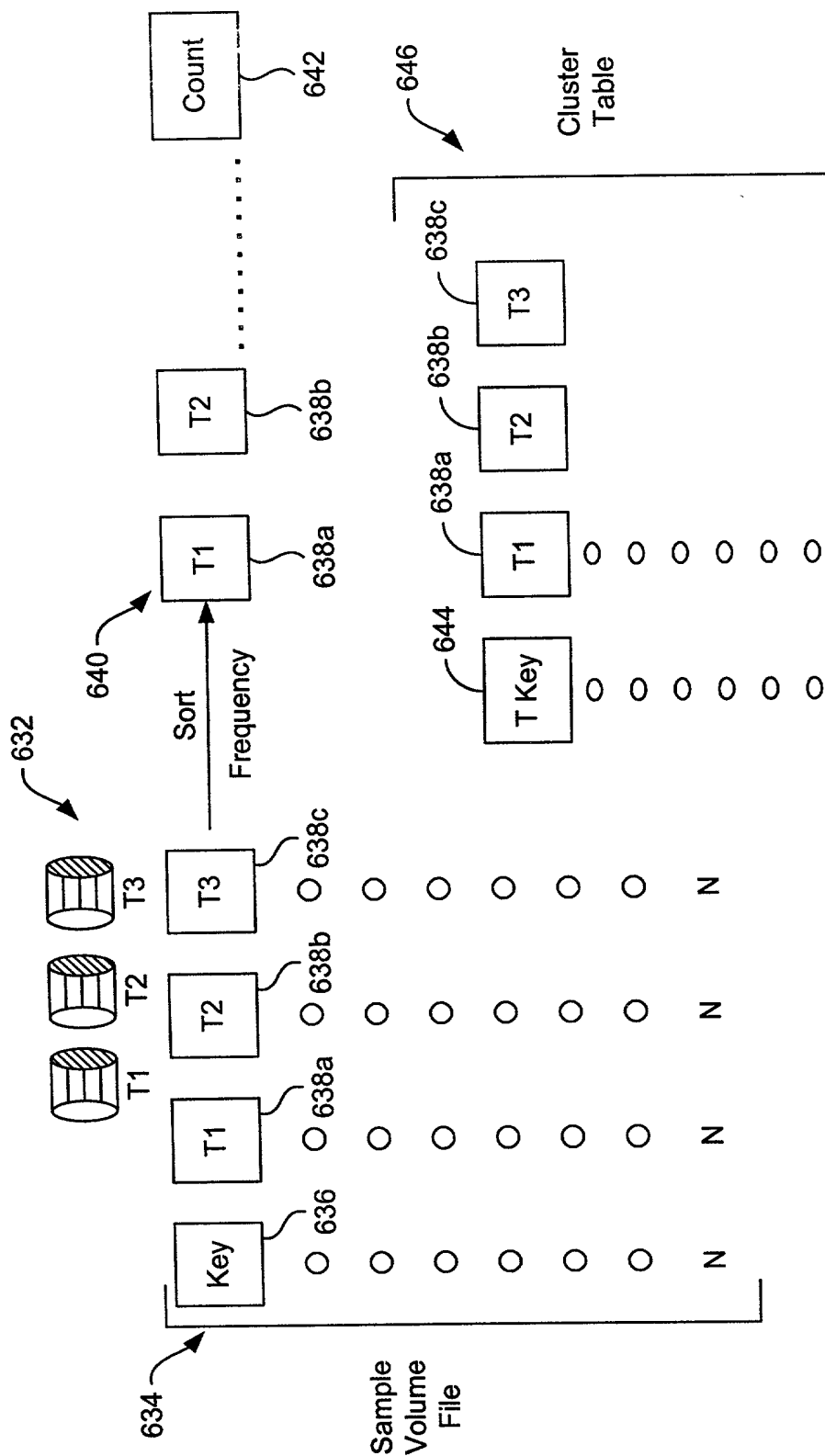


FIG. 6E

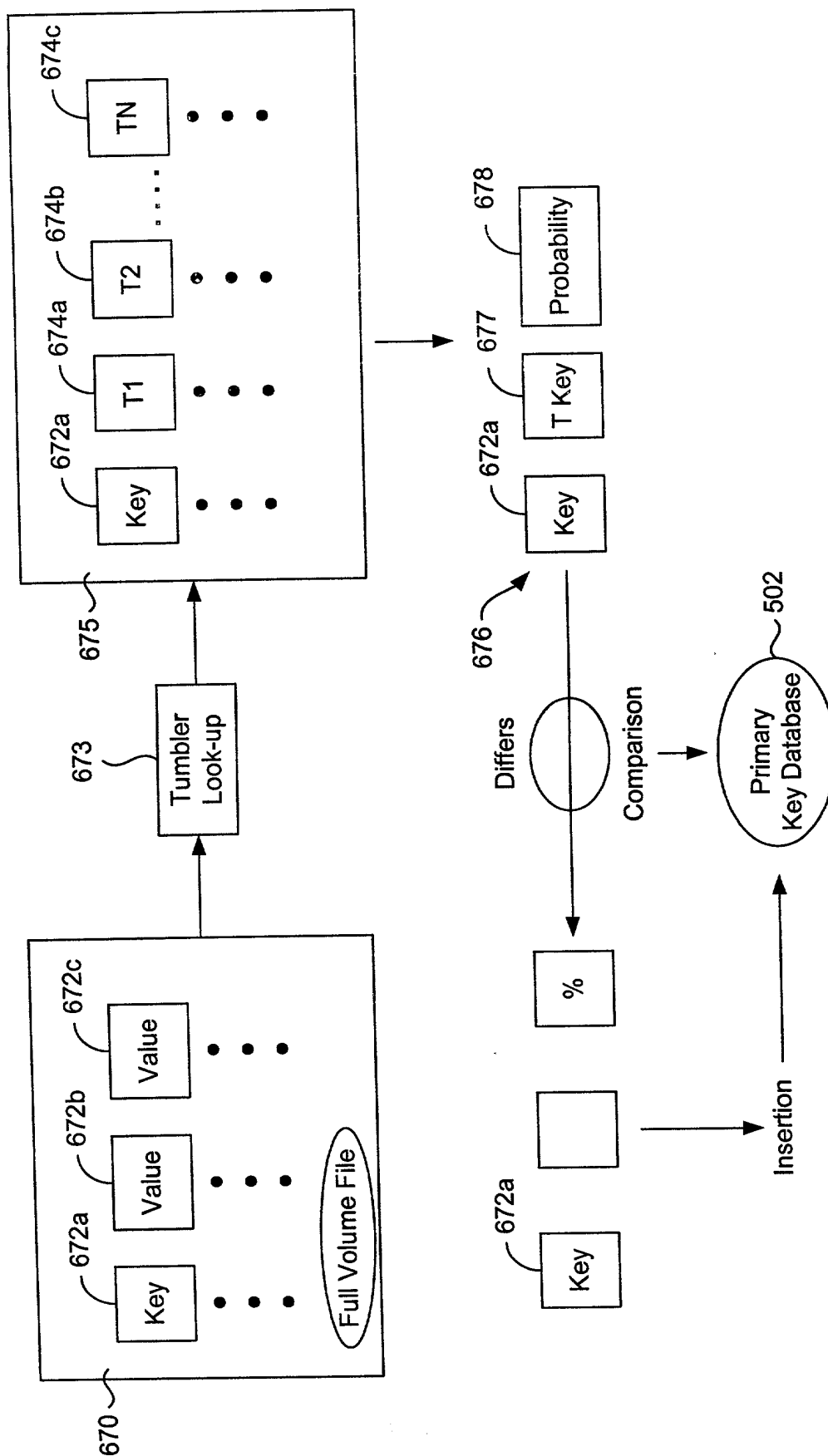


FIG. 6F

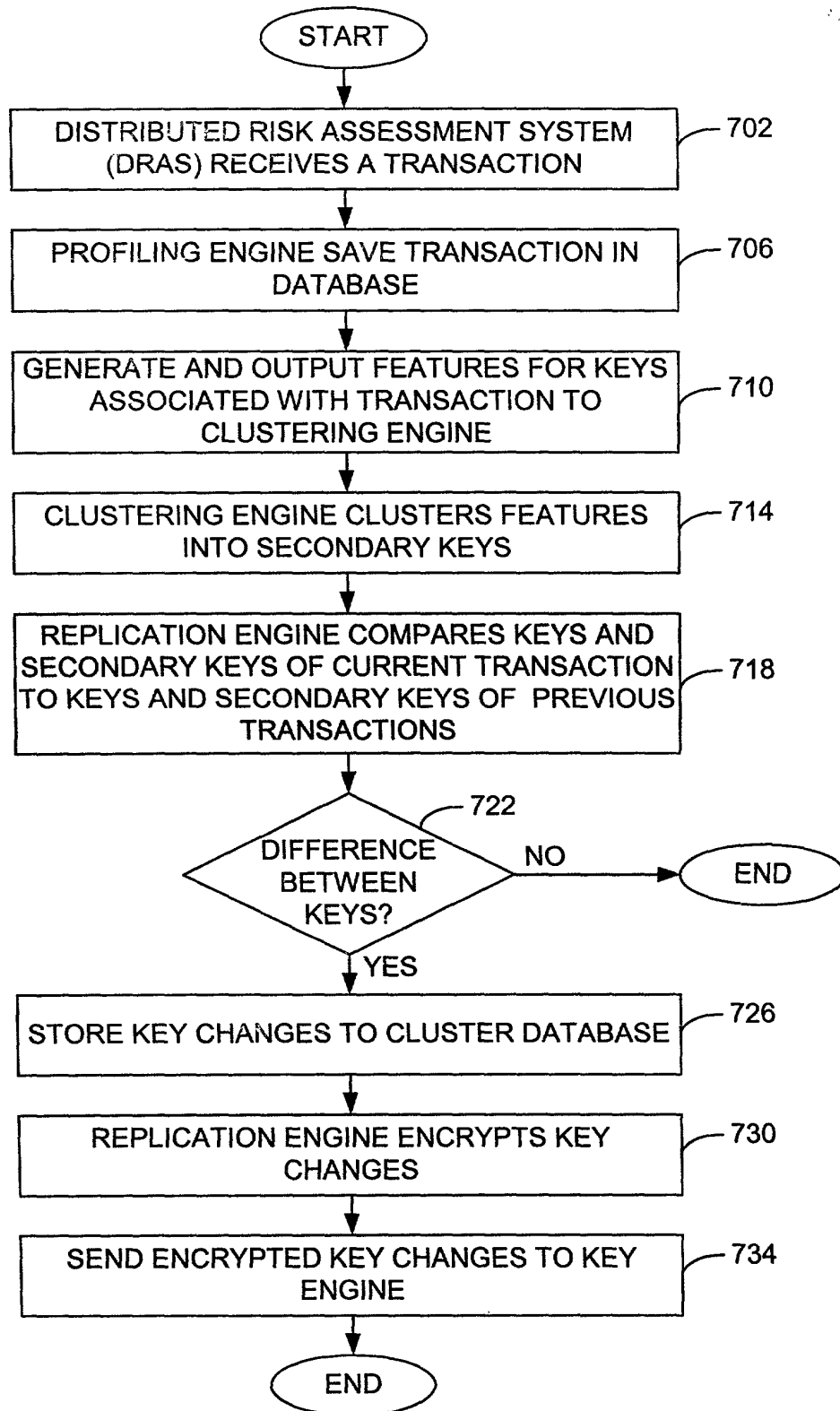


FIG. 7

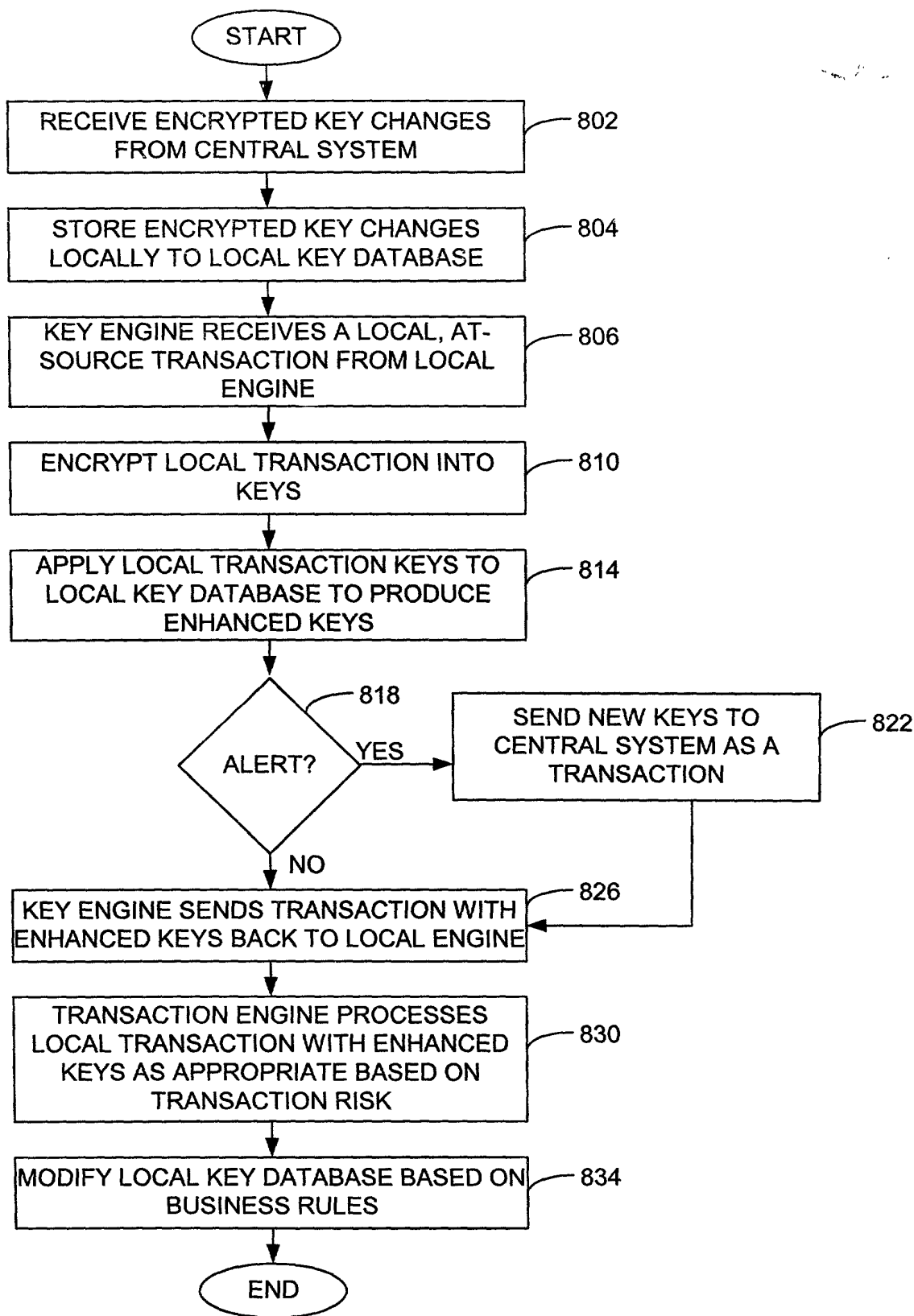
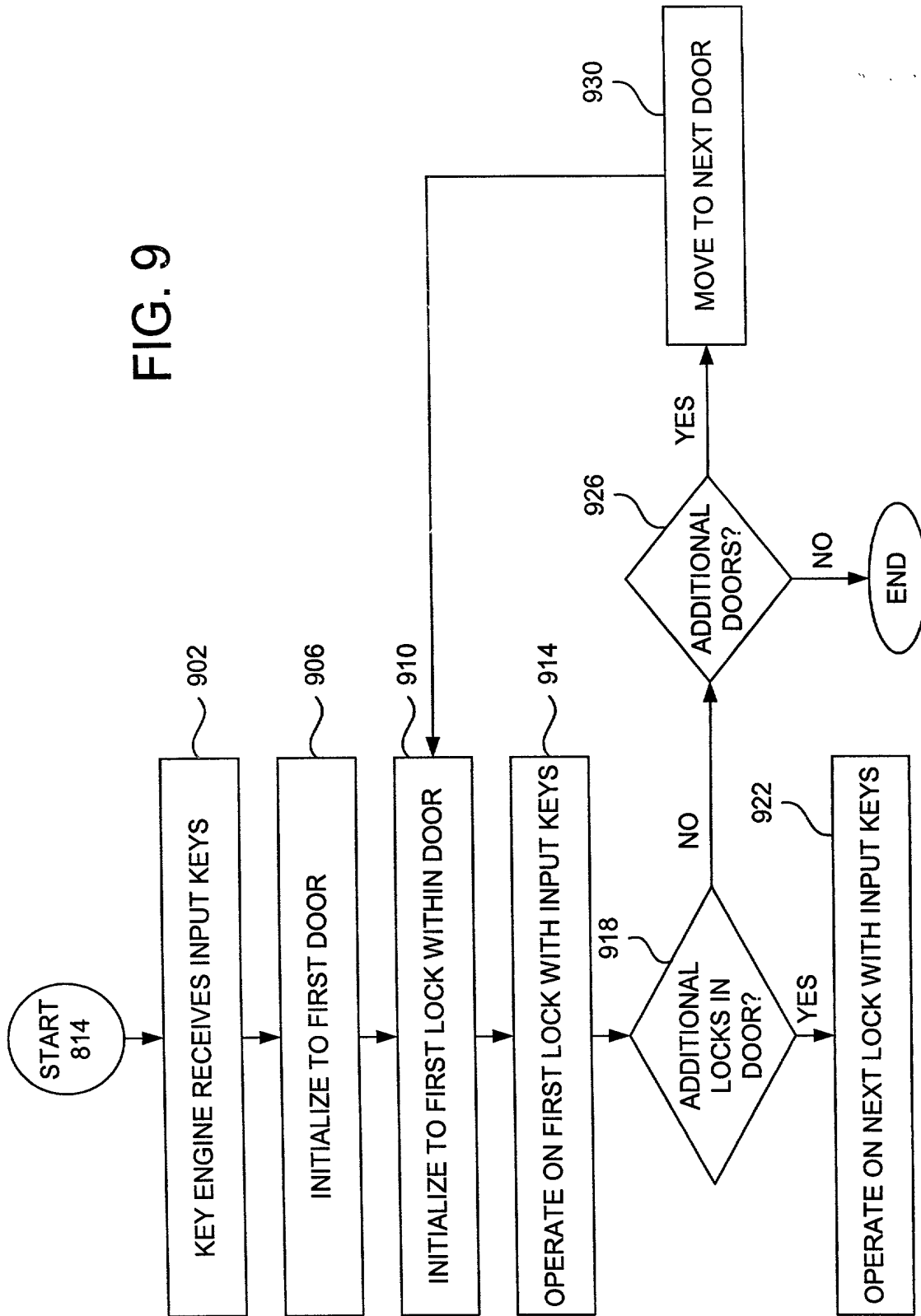


FIG. 8

FIG. 9



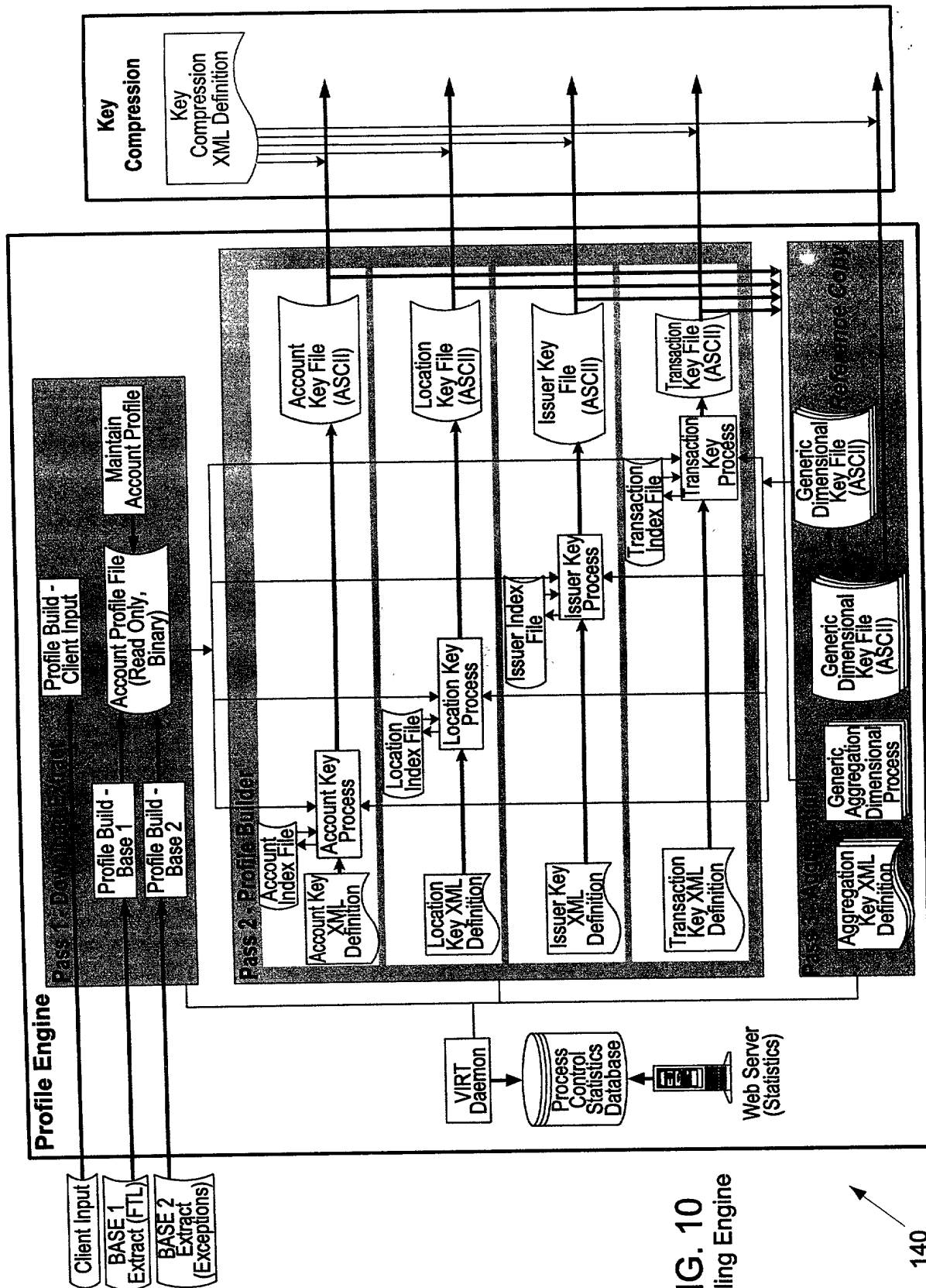


FIG. 10
Profiling Engine